

FIG. 1

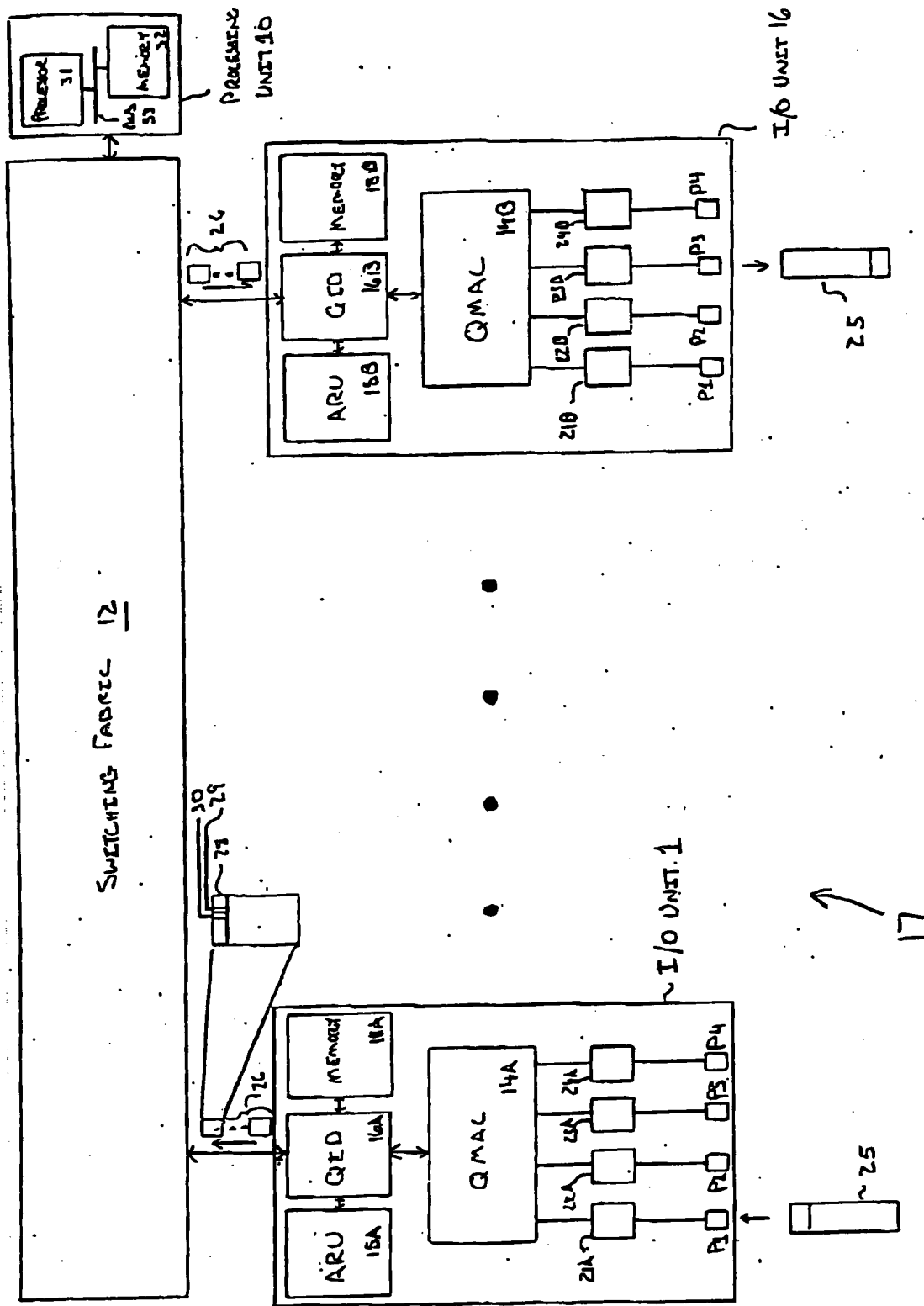


FIG. 1

QUEUE FILL LOGIC

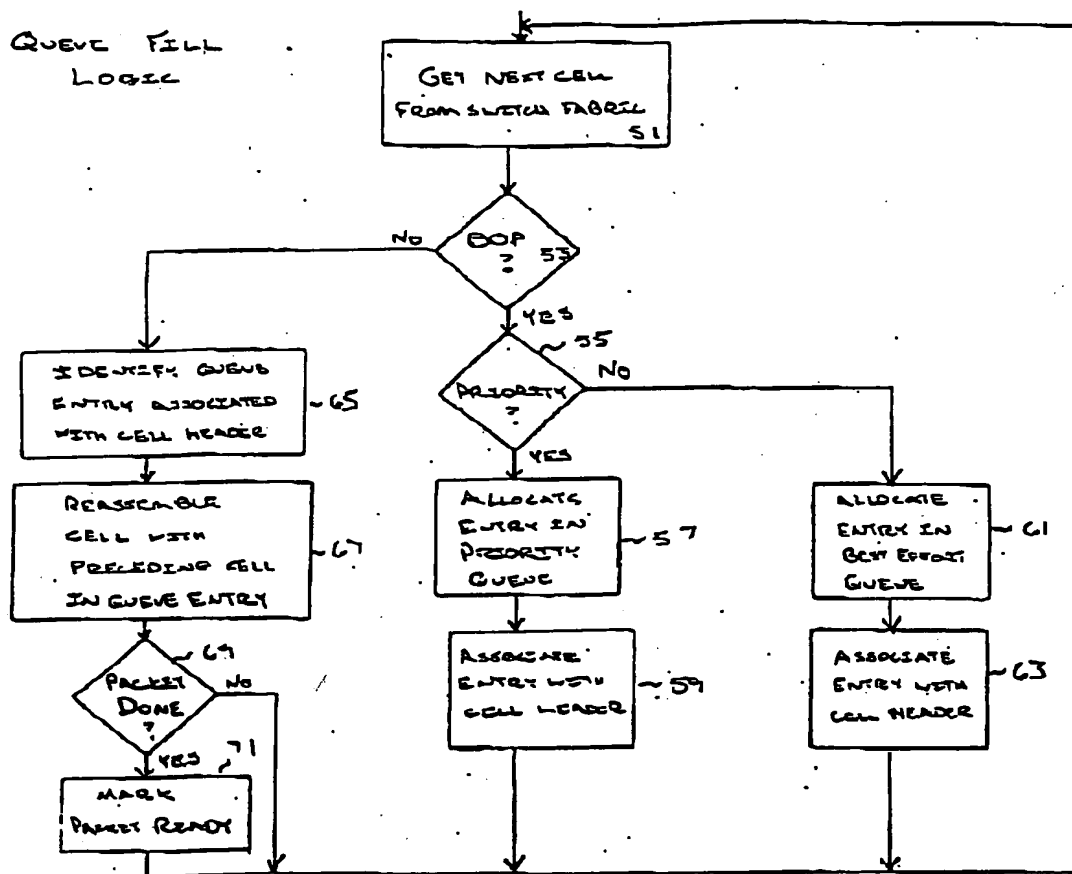


FIG. 2A

QUEUE DRAIN LOGIC

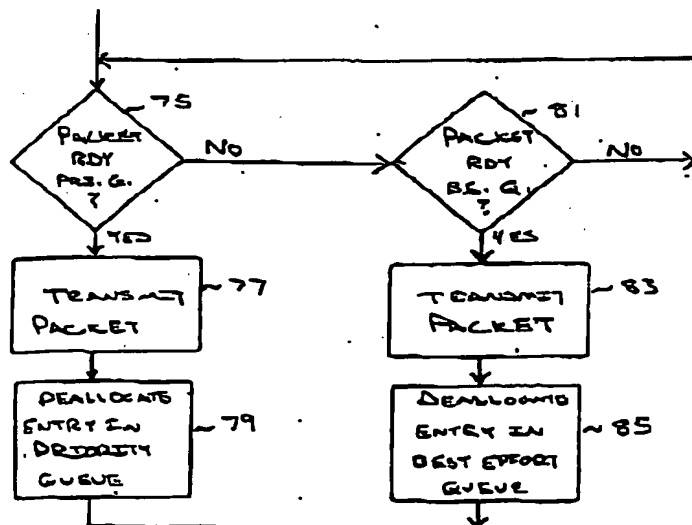


FIG. 2B

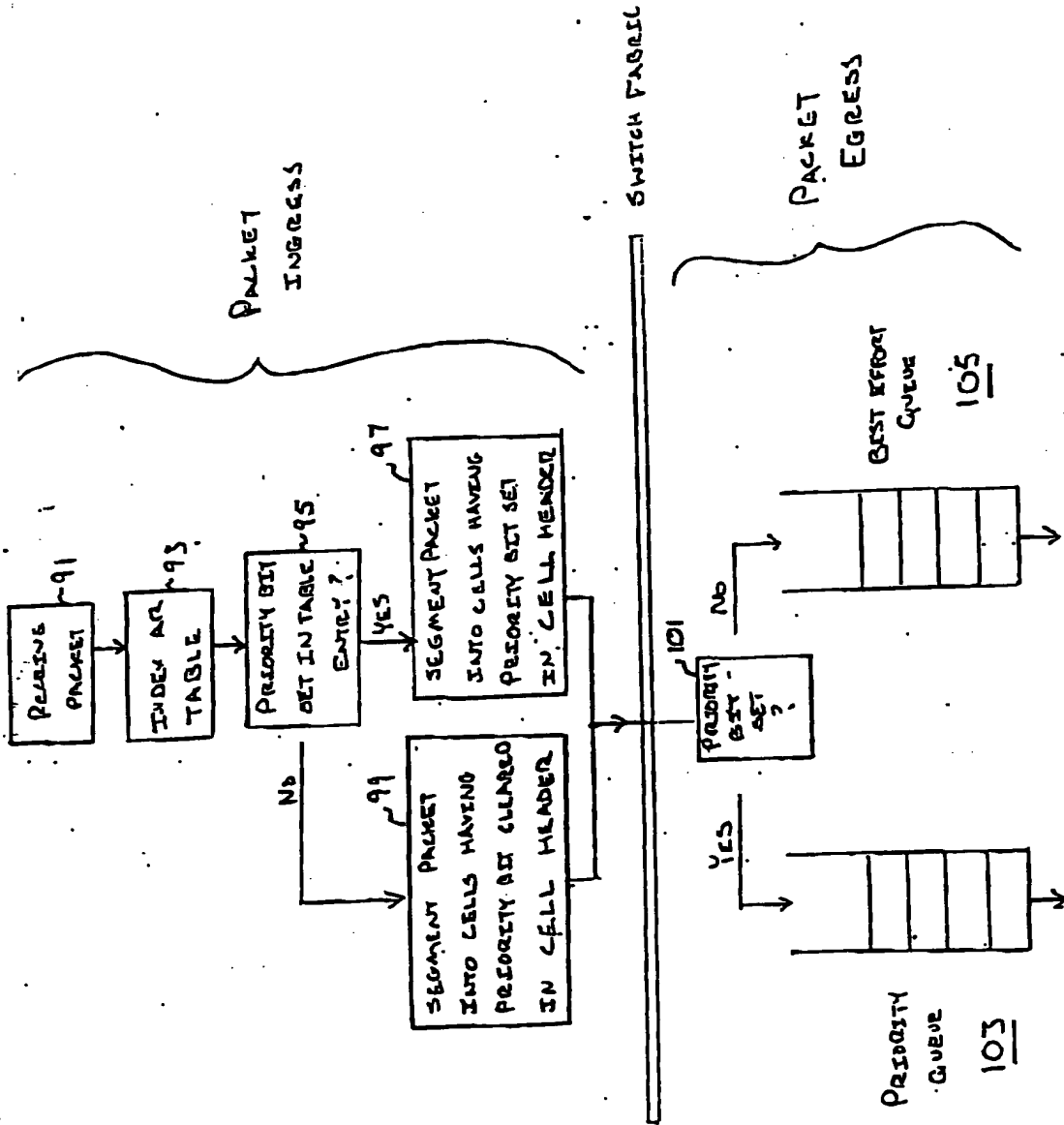


FIG. 3

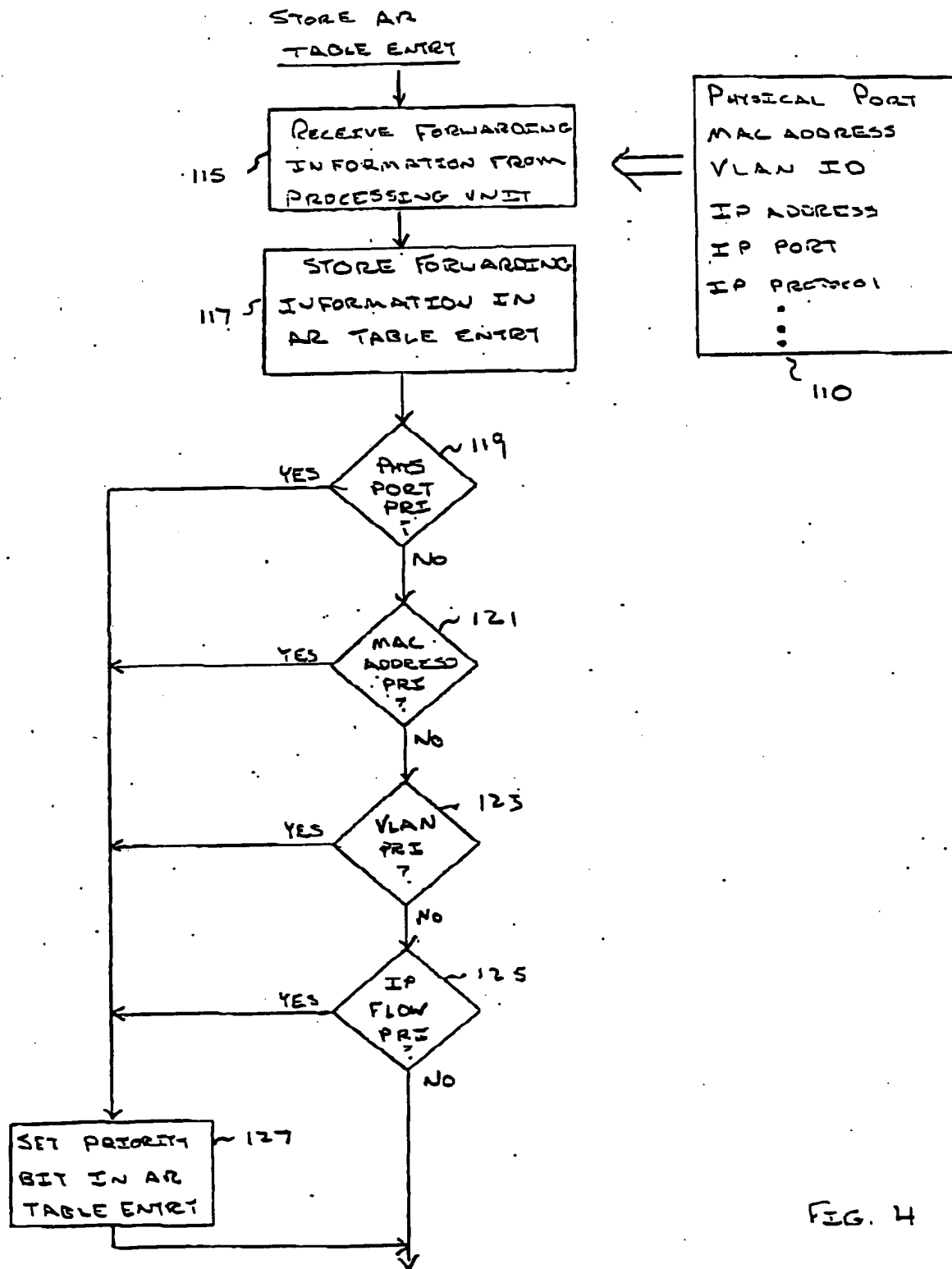


FIG. 4

Chemical	Concentration	Temperature	Time	Yield	Characteristics
1,2-Dichloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,1-Dichloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,1,2-Trichloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1-Trichloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,2,3-Trichloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,2,2-Tetrachloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2-Tetrachloroethane	100 g	100°C	24 h	100%	Colorless liquid
1,1,2,2,3-Pentachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2-Pentachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,3-Pentachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3-Hexachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3-Heptachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4-Octachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5-Nonachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6-Decachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7-Undecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8-Dodecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9-Tridecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10-Tetradecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11-Pentadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12-Hexadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13-Heptadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14-Octadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15-Nonadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16-Eicadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17-Tricadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-Tetracadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19-Pentacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20-Hexacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21-Heptacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22-Octadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23-Nonadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24-Eicadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25-Tricadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26-Tetracadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27-Pentacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28-Hexacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29-Heptacadecachloropropane	100 g	100°C	24 h	100%	Colorless liquid
1,1,1,2,2,3,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30-Octadecachloropropane	100 g	100°C	24 h		

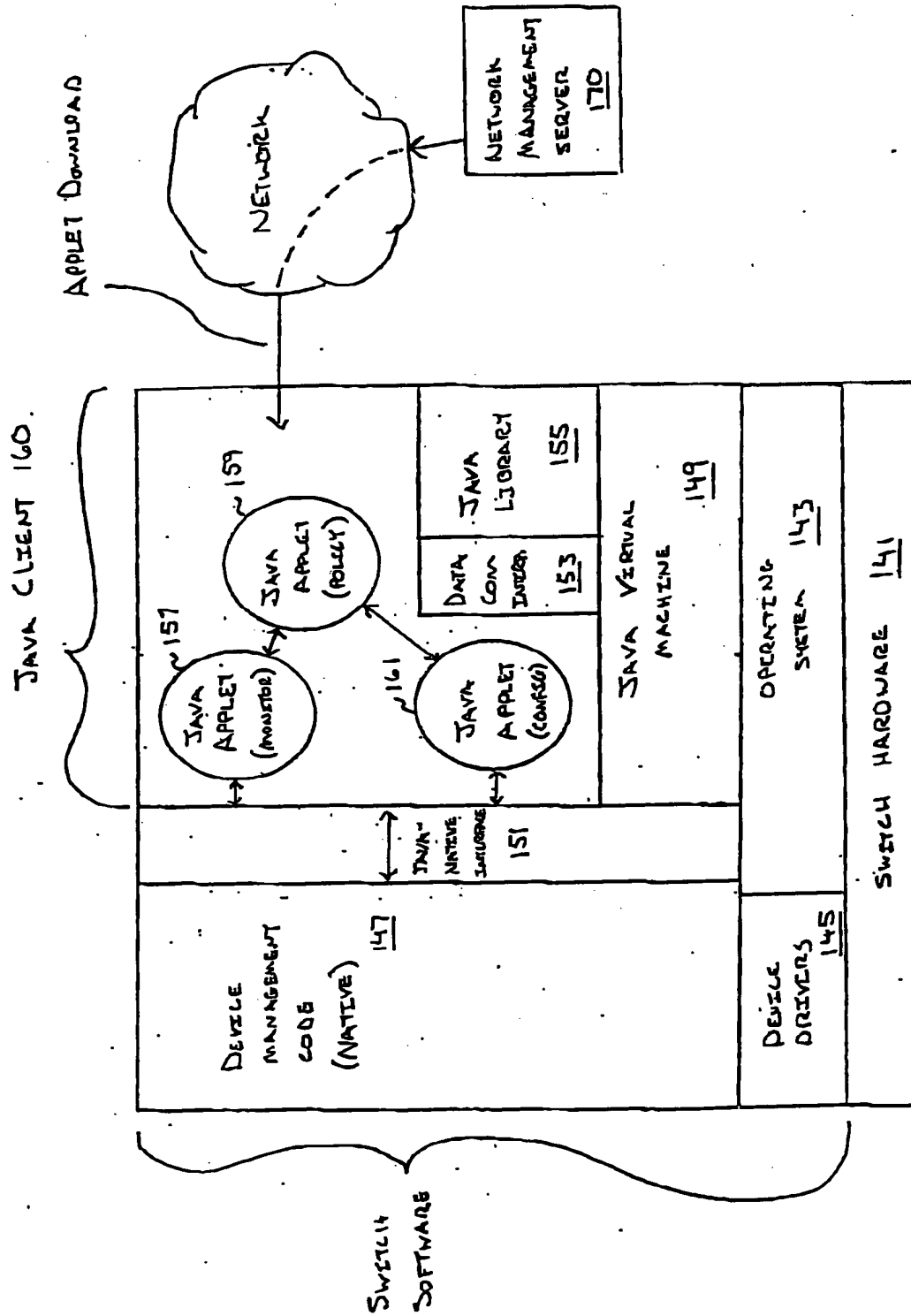


Fig. 5

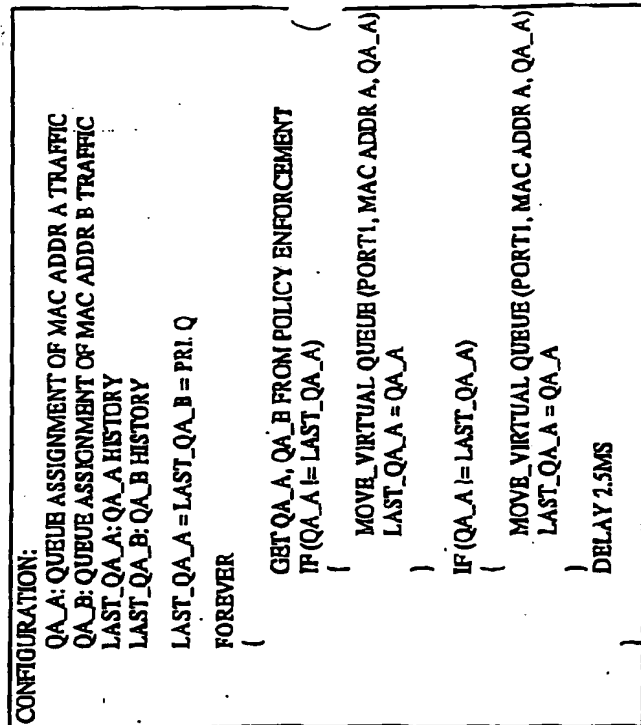
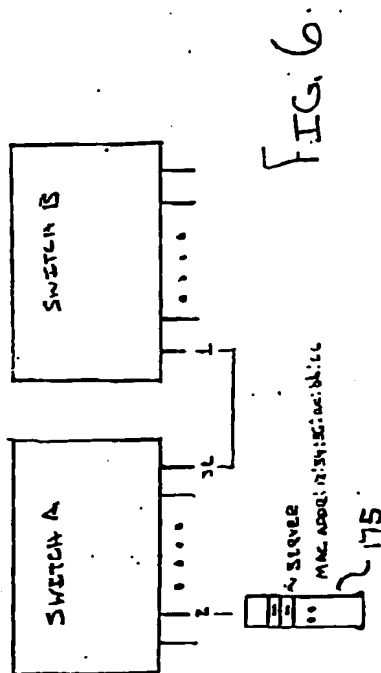
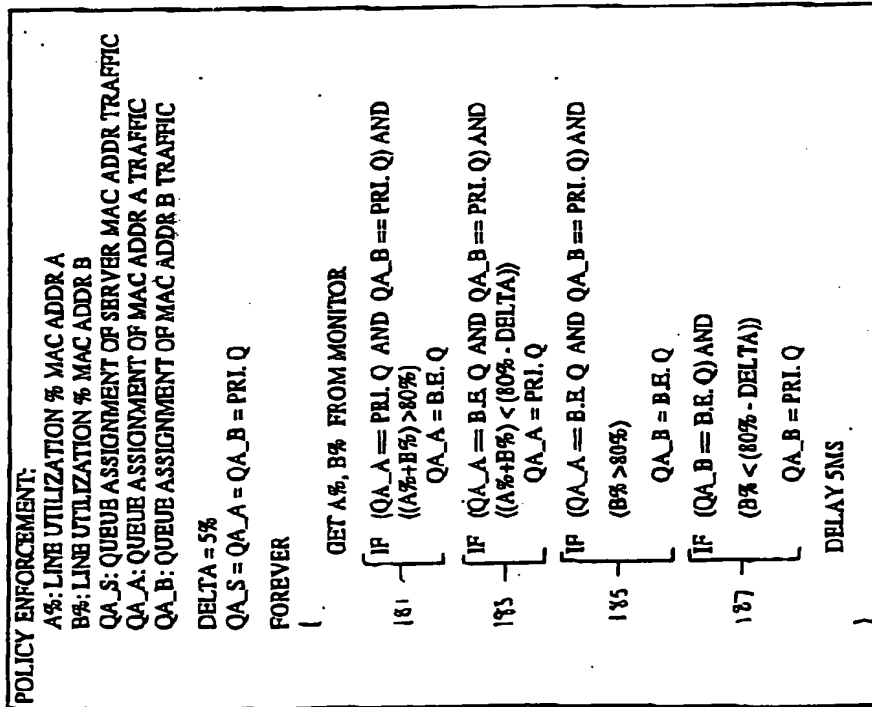
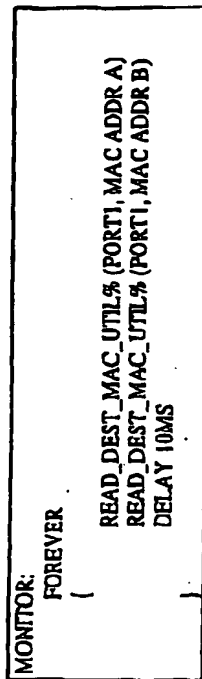


FIG. 6